IN THE CLAIMS

Please cancel claims 1-5 as set forth below:

1-5. (Canceled)

6. (Original) A gas turbine comprising a compressor for compressing air, a combustor for mixing air compressed by said compressor with fuel and burning them, and a turbine to be driven by combustion gas burned by said combustor;

said gas turbine further comprising;

a cooling air system for supplying part of air compressed by said compressor to the high temperature section of said turbine;

a heater exchanger for exchanging heat of part of air compressed by said compressor, said exchanger installed on said cooling air system; and

a bypass system for bypassing said heater exchanger.

7. (original) A high temperature section cooling method of a gas turbine comprising a compressor for compressing air, a combustor for mixing air compressed by said compressor with fuel and burning them, and a turbine to be driven by combustion gas burned by said combustor;

said high temperature section cooling method comprising the steps of:

cooling part of air compressed by said compressor by said heat exchanger and supplying it to the high temperature section of said turbine, and

adjusting said air temperature at a desired time during the operation of said turbine in order to avoid overheating of air on the downstream side of said heater exchanger.

8. (Original) A high temperature section cooling method of a gas turbine comprising a compressor for compressing air, a combustor for mixing air compressed by said compressor with fuel and burning them, and a turbine to be driven by combustion gas burned by said combustor;

said gas turbine further comprising:

a cooling air system for cooling part of air compressed by said compressor and sending it to the high temperature section of said turbine, and

a bypass system for bypassing said heater exchanger;

said high temperature section cooling method further characterized by comprising a step of:

sending at least part of air to said bypass system at a desired time during the operation of said turbine, and

adjusting said air temperature in order to avoid overheating of air on the downstream side of said heater exchanger.